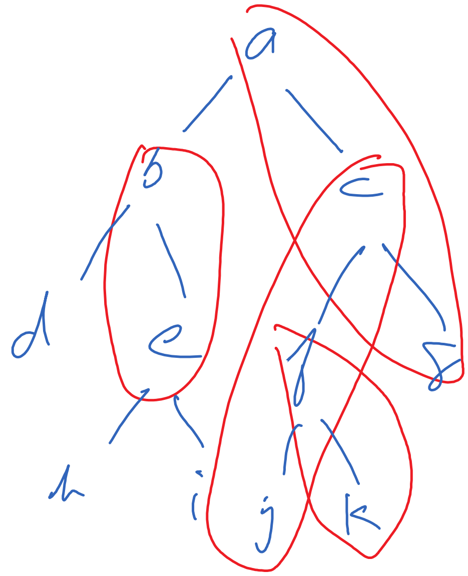
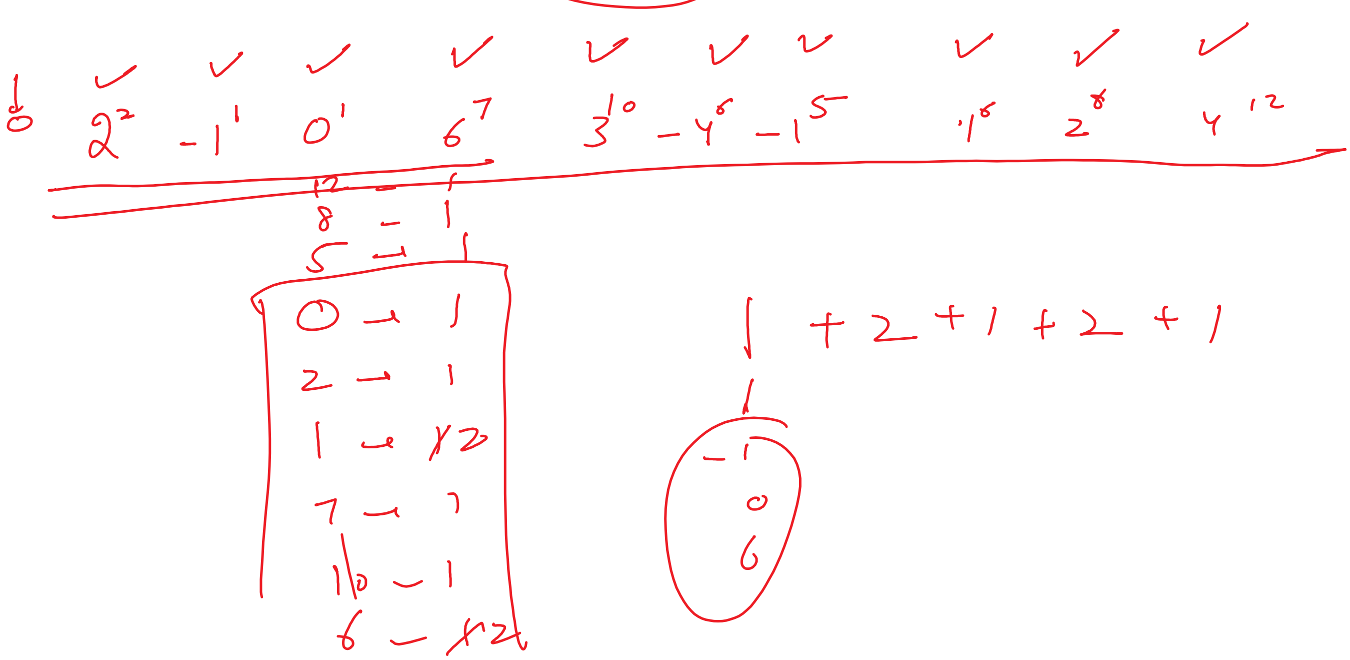
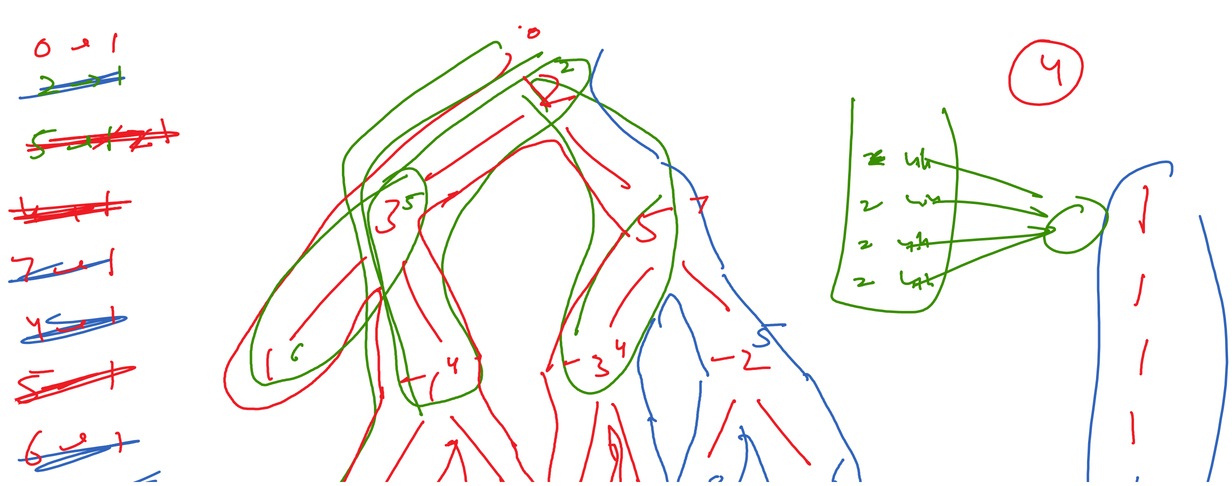
10

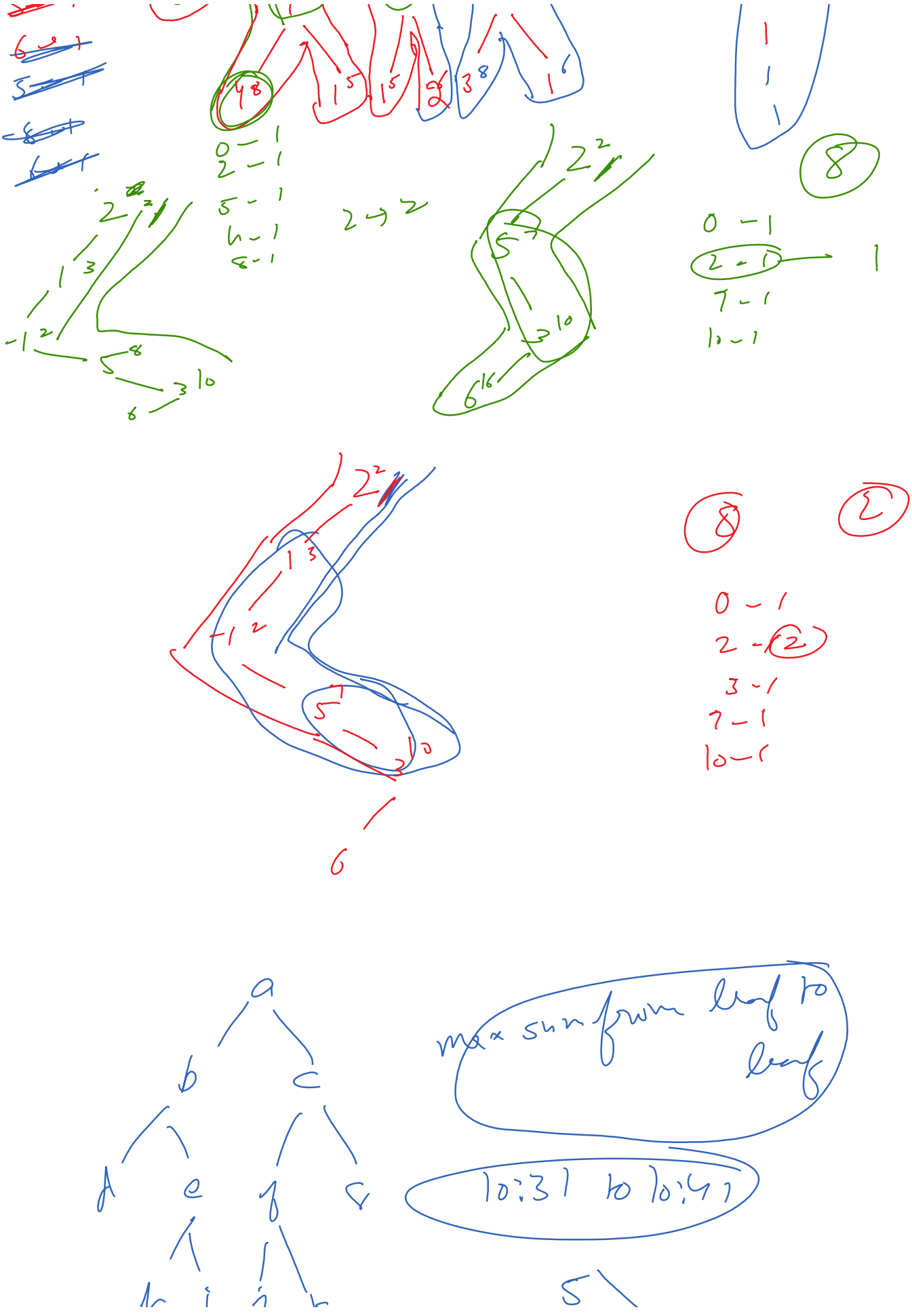
9:45-9:55

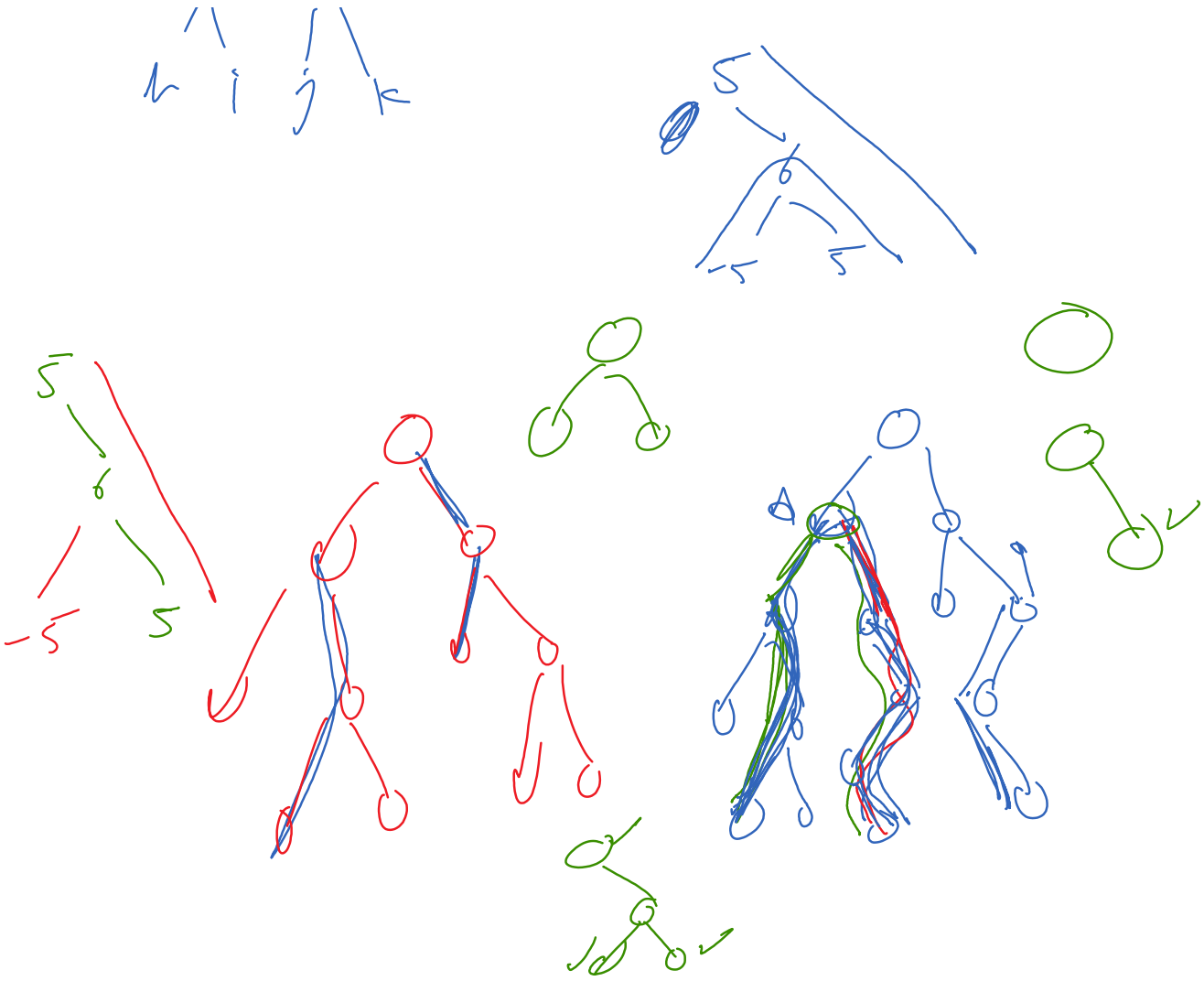


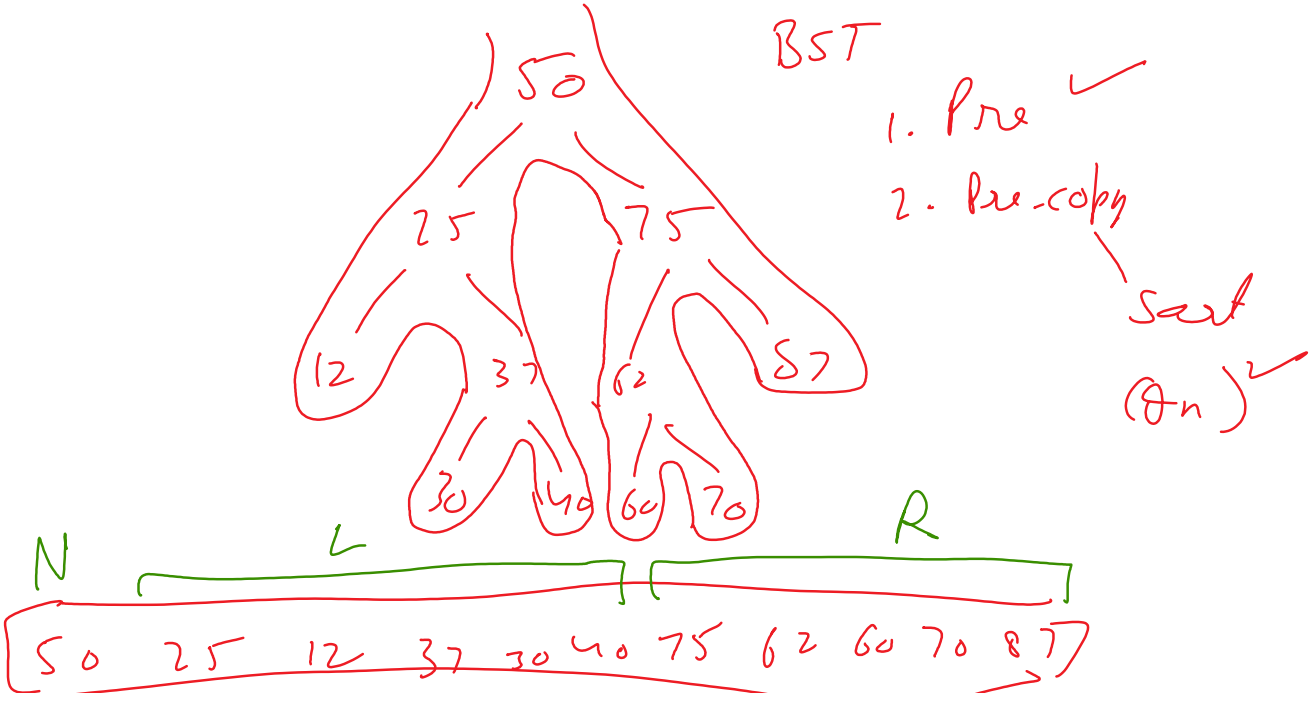
t = 5



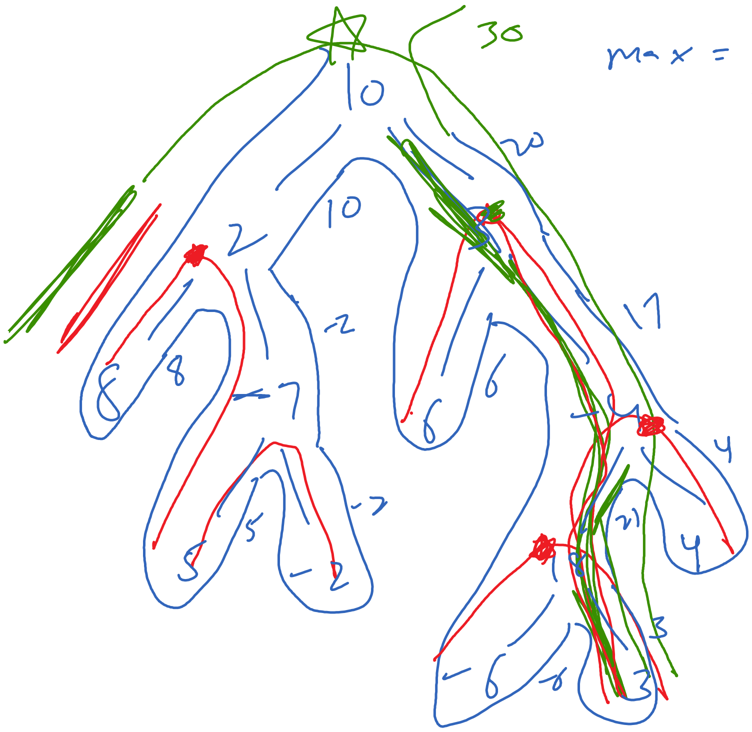



max sum from leaf to leaf
10:31 to 10:41

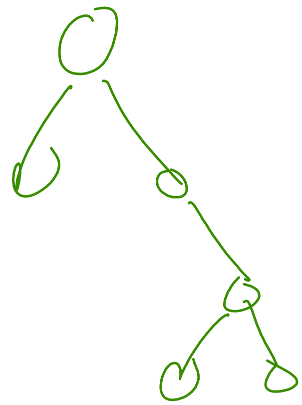

h i j k
5
6
-5
5
5
6
-5
5

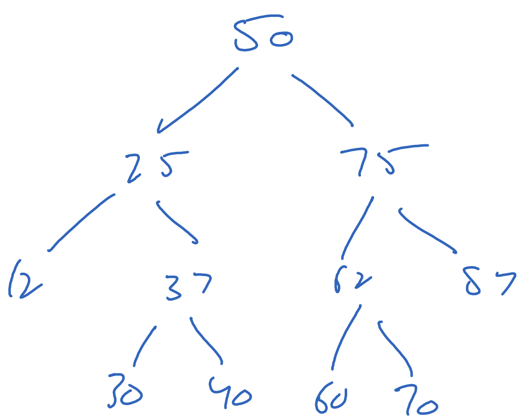

50
25
75
12
37
62
87
30
40
60
70
BST
1. Pre
2. Pre-copy
Sort
(θn)
N
L
R
50 25 12 37 30 40 75 62 60 70 87

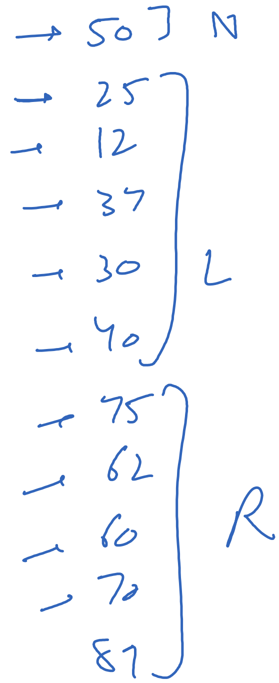
50 25 12 37 30 40 75 62 60 70 87

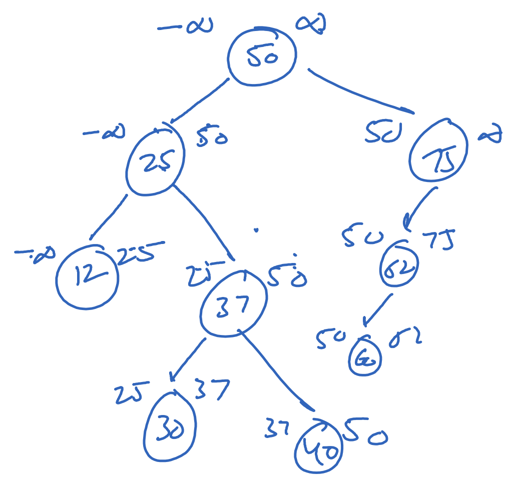


max = -∞ 4 8 15 21 26 40







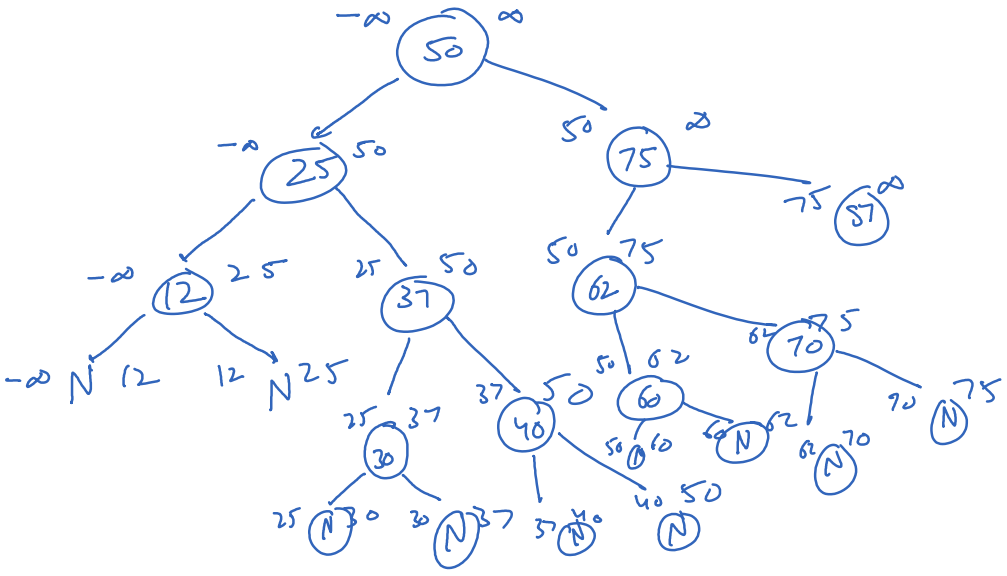


11:37 — 11:41

Pre
Post
In

Iterative
&
range

→ 50 → 25 → 12 → 37 → 30 → 40 → 75 → 62 → 60 → 70 → 87 →

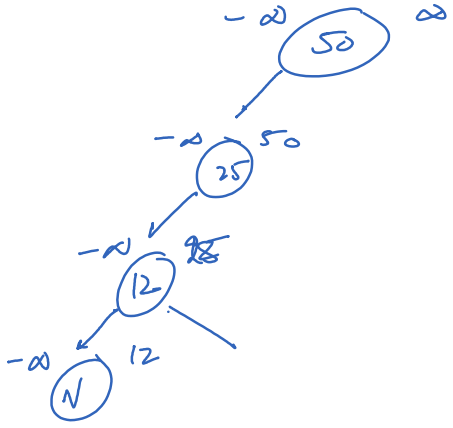


```java
public TreeNode construct(int[] pre, int min, int max){
    if(index == pre.length){
        return null;
    } else if(pre[index] > min && pre[index] < max){
        TreeNode node = new TreeNode();

        node.val = pre[index];
        index++;

        node.left = construct(pre, min, node.val);
        node.right = construct(pre, node.val, max);

        return node;
    } else {
        return null;
    }
}
```



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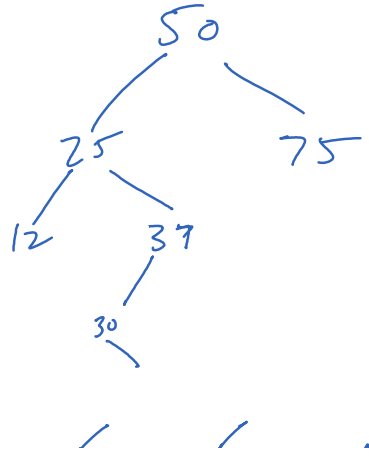

```
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    } else {
        return null;
    }
}
```